EASA.21J.117

FLIGHT MANUAL Supplement No 13

Supplement No 13								
Placards in the cockpit modified graphics								
	Doc. No: B	2-OL-03_uz13-EN						
NAME-TYPE/MODEL:	MDM-1 FOX							
CONCERNS:	Placards in the co - modified graphi							
	t Manual, MDM-1 ,,FOX" t Manual, MDM-1 ,,FOX" t of DOA ref. EASA.21J.117	glider – iss. III, MDM-1P "FOX-P" gliders – iss. IV,						
Approval ref. No: MDM	-1 FOX/01/2019 FM – revi							
ELABORA	TED:	APPROVED:						
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VERIFIED:								
Mariusz W	/olak							

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Section 0

RECORD OF REVISIONS

Any revision of the present Supplement must be recorded in the following table. The new or amended text in the revised page should be indicated by a black vertical line on the left-hand margin, while the Revision Number and the Date should be shown in the bottom left hand side of the page

Revision Number	Affected Section	Affected Pages	Date of Issue	Approval	Date of Approval	Date of Insertion	Signature
1							

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Section 1

GENERAL

A new graphical layout of the placards in the glider's cockpit has been developed.

Placards with modified graphics, containing entries identical to those used in the glider's Flight Manual (FM):

MDM-1 "FOX"

FM iss. III October 1996, rev. 7,

and

MDM-1P "FOX P"

FM iss. IV December 1998, rev. 3,

are optional equipment, an alternative to those previously used on the glider, extending the customer's choice, while maintaining good readability in various lighting conditions.

In case of application, on a glider operated on the basis of FM with the revision level as above and next, it is recommended to replace all placards on the glider with a uniform graphic layout.

Section 2

LIMITATIONS

Installation of the placards with modified graphics does not change the operating limitations of the glider.

In next pages, Section 2. LIMITATIONS of this Supplement, provided is a template of placards with modified graphics.

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MDM-1 "FOX"

2.15 Limitations placards.

LIMITATIONS

Night flying

PROHIBITED

2. Cloud flying

ALLOWED,

. Cloud Hyllig ALLOVVI

provided pilot and glider meet National Regulations

- 3. Flying in anticipated icing PROHIBITED
- 4. Aerobatics ALLOWED, according to Flight Manual item 4.5.9

SPEED LIMITATION						
IAS	[km/h]	[kt]				
V _{NE}	282	152				
V_{RA}	225	122				
VA	214	116				
V_{T}	150	81				

For aerotowing, from nose hook only, use 40÷60 m (130÷195 ft) long nylon cable, with safety link of 677 daN (1525 lb) ±10% strength

For winch launching, from C.G. hook only, use cable with safety link of 677 daN (1525 lb) ± 10% strength

BEFORE FLIGHT

- · Check cockpit for loose items
- Check security of balancing weights (required for pilot under 70 kG /154 lb)
- Adjust pedals and back rest (at front seat)
- Fasten and tighten safety belts
- Check access to all instruments and controls
- Check full deflection of control surfaces, retract air brake
- Set altimeter to zero reading
- Set elevator trim to "nose-heavy"
- Close and lock both canopies, perform communications check

Flight altitude	[m]	0-3000	4000	5000	5500
VNE	[km/h]	282	267	253	246
Flight altitude	[ft]	0-10000	13000	16000	18000
V_{NE}	[kt]	152	145	138	133

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Maneuvring load limits	
0 / 0	

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		Maneuvring									
		Pilot ¹	load								
		front	seat		rear seat		weights		limits		
	minin	num	maxii	mum							
	[kG]	[lb]	[kG]	[lb]	[kG]	[lb]	[kG]	[lb]			
	55	121	89	196	0	0	2x5.5	2x12.1	+ 9 / - 6 g		
	70	154	100	221	0	0	0	0	weight 450 kG max		
	55	121	105	231	0	0	2x5.5	2x12.1			
I	70	154	110	243	0	0	0	0			
	55	121	110	243	70	154	0	0	+ 7 / - 5 g		
	55	121	70	154	110	243	0	0			
	Cala flying an front past only										

Solo flying on front seat only

Installation of balancing weights (2x5.5 kG/2x12.1 lb) acc. to FM item 7.2 and Fig. 7.1.

FOX ↗ FOX-P ≥

LOADING PLAN									Maneuvring	
Pilot with parachute weight Balancing							incing	load		
front seat				rear seat		weights		limits		
minii	mum	maxi	mum					version		
[kG]	[lb]	[kG]	[lb]	[kG]	[lb]	[kG]	[lb]	Aerobatic	Utility	
55	121	89	196	0	0	2x5,5	2x12,1	+ 9 /- 6 g		
70	154	100	221	0	0	0	0	weight 450 kG max		
55	121	105	231	0	0	2x5,5	2x12,1			
70	154	110	243	0	0	0	0			
55	121	110	243	70	154	0	0	+ 7 /- 5 g	+5,3/-2,65 g	
55	121	70	154	110	243	0	0			

Solo flying on front seat only

Installation of balancing weights (2x5,5 kG/2x12,1 lb) acc. to FM item 7.2 and Fig. 7.1.

Note:

The LOADING PLAN placard is provided in 2 different versions for Flight Manual of MDM-1 FOX and MDM-1P FOX-P glider variant - use the one appropriate for your glider.

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Below given is template of the remaining (information) placards in the glider's cockpit - with a changed graphics.

Together with those given above in this Supplement, they constitute a complete set of placards used in the glider's cockpit, see also:

Fig. 16 Information placards,

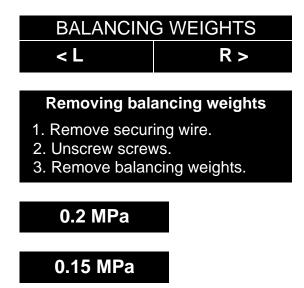
Fig. 17 Operation placards and

in the Technical Service Manual (TSM), as appropriate:

MDM-1 FOX TSM iss. III December 1996, rev. 11,

and

MDM-1P FOX-P TSM iss. I December 1998, rev. 3,



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Section 3

EMERGENCY PROCEDURES

Installation of the placards with modified graphics does not affect emergency procedures.

Section 4

NORMAL PROCEDURES

Installation of the placards with modified graphics does not affect normal procedures.

Section 5

PERFORMANCE

Installation of the placards with modified graphics does not affect glider performance.

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Section 6

WEIGHT AND BALANCE

Installation of the placards with modified graphics does not affect the glider weight, loading plan or balance (centre of gravity).

Section 7

GLIDER AND SYSTEMS DESCRIPTION

Installation of the placards with modified graphics does not affect description of glider and its system.

Section 8

GLIDER HANDLING, CARE AND MAINTENANCE

Installation of the placards with modified graphics does not affect glider handling and maintenance.

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